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TITLE: Fuel hose - is a smooth tube with a multi-layer structure of corrosion resistant plastics flanking an aluminium core

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PATENT-FAMILY:

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 DE 4405409 C1

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ABSTRACTED-PUB-NO: DE 4405409C

BASIC-ABSTRACT:

A fuel hose, to link a fuel filler with the fuel tank, has a smooth tube (3) for most of the hose length, as a multi-layer tube. An outer layer (11) is of a corrosion-resistant plastics, the centre layer (12) is of aluminium, and the inner layer (13) is of corrosion-resistant plastics. The outer (11) and inner (13) layers are of high density polyethylene or polyamide, or both are of polyamide. The corrugated length section is of polyamide, or it is composed of two layers where the outer layer is a polyolefin together with a flame retarding agent or a thermoplastic elastomer, and the inner layer is of polyamide, thermoplastic polyester, fluorothermoplast or an antistatic or electrically conductive material. The end sections of the corrugated and smooth lengths are firmly bonded together through a sleeve cladded with an injected thermoplastic material. The pref. polyamide is PA12, PA11, PA6 or PA6.6

ADVANTAGE - The fuel hose has a simple structure, with a high mechanical and corrosion resistance.

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